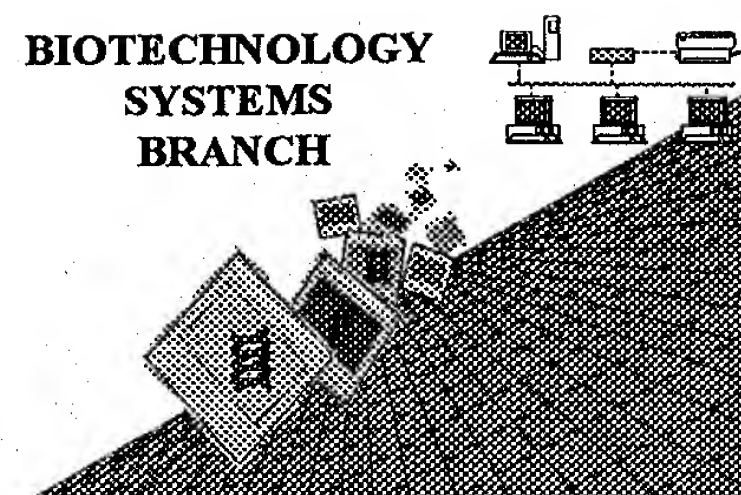


# **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/193538

Art Unit / Team No. :

OIRE

Date Processed by STIC:

11/25/98

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**ARTI SHAH 703-308-4212**

# Raw Sequence Listing Error Summary

## ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/193,538

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1        Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2        Wrapped Aminos      The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3        Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.  
All text must be visible on page.
- 4        Misaligned Amino Acid .      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs  
Numbering      between the numbering. It is recommended to delete any tabs and uses spacing between the numbers.
- 5        Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6        Variable Length      Sequence(s)        contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and  
indicate in the (ix) features section that some may be missing.
- 7        Wrong Designation      Sequence(s)        contain amino acid or nucleic acid designators which are not standard  
representations as per the Sequence Rules (Please refer to paragraph 1.822)
- 8        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence:  
(OLD RULES)      (2) INFORMATION FOR SEQ ID NO:X:  
                                 (1) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
                                 (x1) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
                                 This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence.  
(NEW RULES)      <210> sequence id number  
                                 <400> sequence id number  
                                 000
- 10        Use of N's or Xaa's      Use of N's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
- 11        Use of <213>Organism      Sequence(s)        are missing this mandatory field or its response.  
(NEW RULES)
- 12        Use of <220>Feature      Sequence(s) 911 are missing the <220>Feature and associated headings.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
                                 (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)  
                                 (Sec. 1.823 of new Sequence Rules)
- 13        Wrong Format      File submitted was in the alphabetical heading format of the Old Sequence Rules. This is invalid since the  
                                 "Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Disclosures"  
                                 Federal Register Notice, Vol. 63, No. 104, June 1, 1998, p. 29620  
                                 applies to applications filed on or after July 1, 1998.

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/193,538

DATE: 11/25/1998  
TIME: 11:29:06

Input Set: I193538.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

1 <110> APPLICANT: Patricia Billing-Medel  
2 Maurice Cohen  
3 Tracey L. Colpitts  
4 Paula N. Friedman  
5 Julian Gordon  
6 Edward N. Granados  
7 Steven C. Hodges  
8 Michael R. Klass  
9 Jon D. Kratochvil  
10 Lisa Roberts-Rapp  
11 John C. Russell  
12 Stephen D. Stroupe  
13 <120> TITLE OF INVENTION: Reagents and Methods Useful for Detecting Diseases of the  
14 Breast  
15 <130> FILE REFERENCE: 6193.US.P1  
16 <140> CURRENT APPLICATION NUMBER: US/09/193,538  
17 <141> CURRENT FILING DATE: 1998-11-17  
18 <150> EARLIER APPLICATION NUMBER: 08/971,772  
19 <151> EARLIER FILING DATE: 17-Nov-1997  
20 <160> NUMBER OF SEQ ID NOS: 23  
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
22 <210> SEQ ID NO 1  
23 <211> LENGTH: 288  
24 <212> TYPE: DNA  
25 <213> ORGANISM: Homo sapiens  
26 <400> SEQUENCE: 1  
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28 ggccccgtca gaagacccca gggactggag agccaacctc aaaggcacca tccgtgagac 120  
29 aggcctggag accagctccg gtgggaagct ggctggccat cagaagaccg tccccacggc 180  
30 tcacctgact tttgttattg actgcaccca cgggaagcag ctctccctgg cagcaaccgc 240  
31 atcaccaccc caagccccca gtcccaatcg agggttgtca cccacca 288  
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33 <211> LENGTH: 250  
34 <212> TYPE: DNA  
35 <213> ORGANISM: Homo sapiens  
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37 gggactggag agccaacctc aaaggcacca tccgtgagac aggcctggag accagctccg 60  
38 gtgggaagct ggctggccat cagaagaccg tccccacggc tcacctgact tttgttattg 120  
39 actgcaccca cgggaagcag ctctccctgg cagcaaccgc atcaccaccc caagccccca 180  
40 gtcccaatcg agggcttgtc accccaccaa tgaagaccta catcgtgttc tgtggggaaa 240  
41 actggcccca 250  
42 <210> SEQ ID NO 3  
43 <211> LENGTH: 256  
44 <212> TYPE: DNA

*new format*  
*P3*  
Does Not Comply  
Corrected Diskette Needed

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/193,538

DATE: 11/25/1998  
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Input Set: I193538.RAW

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45 <213> ORGANISM: Homo sapiens
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47      ctgtggggaa aactggcccc atctgactcg ggtgaccccc atgggtgggg gatgccttgc      60
48      ccaggccagg gccaccctgc cgctctgcag agggctctgtg gcctcagctt ccttcccagt      120
49      cagcccgtc tgccccagg aggttcccga ggctaagggg aaacccgtga aggctgcgcc      180
50      tgtgaggtct tcaacttggg gaacagtcaa ggactcactg aaagccctct cctcttgtgt      240
51      ctgtgggcag gccgat      256
52 <210> SEQ ID NO 4
53 <211> LENGTH: 256
54 <212> TYPE: DNA
55 <213> ORGANISM: Homo sapiens
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58      ctccaggaaa accatgggtat ctccccagca ctttgcaggg cctggcatgt ggaagatgta      120
59      ccagtaatat ttgctgtatg aatgaatgag tctcttcattg tgcagggtgac ttatcctgcc      180
60      tctgccactc gacggatggt tcagatgccc cttagcggat ctaatgatgt ttccttggct      240
61      caagcacaaa agactc      256
62 <210> SEQ ID NO 5
63 <211> LENGTH: 133
64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 5
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69      ctggcatgtg gaa      133
70 <210> SEQ ID NO 6
71 <211> LENGTH: 910
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 6
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76      ggccccgtca gaagacccca gggactggag agccaacctc aaaggcacca tccgtgagac      120
77      aggctggag accagctccg gtgggaagct ggctggccat cagaagaccg tccccacggc      180
78      tcacctgact tttgttattg actgcaccca cgggaagcag ctctccctgg cagcaaccgc      240
79      atcaccaccc caagccccca gtcccaatcg agggcttgtc accccaccaa tgaagacctc      300
80      catcgtgttc tgtggggaaa actggcccca tcttactcgg gtgaccccca tgggtggggg      360
81      atgccttgcc caggccaggg ccaccctgcc gctctgcaga gggctctgtg cctcagcttc      420
82      cttcccagtc agcccgtctt gccccagga ggttcccag gctaagggga aaccctgtgaa      480
83      ggctgcgcct gtgaggtctt caacttgggg aacagtcaag gactcactga aagccctctc      540
84      ctcttgtgtc tgtgggcagg ccgattagct ggaagggccg ggctctgatg cccagaggct      600
85      gcaattccca gggcctggcc ctgcttcccc agctaagcag gagtcttttg tgcttgagcc      660
86      aaggaaacat cattagatcc gctaaggggc atctgaaaca tccgtcgagt ggcagaggca      720
87      ggataagtca cctgcacatg aagagactca ttcattcata cagcaaatat tactgggtaca      780
88      tcttccacat gccaggccct gcaaagtgtc ggggagatac catgggtttc ctggagctgg      840
89      tatttttggg gtggagggaa cccaccctga ataaataaag taaccaata aataaagaag      900
90      atgattttga      910
91 <210> SEQ ID NO 7
92 <211> LENGTH: 915
93 <212> TYPE: DNA
94 <213> ORGANISM: Homo sapiens

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/193,538DATE: 11/25/1998  
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95 <400> SEQUENCE: 7  
96 agagtggcct aggacagctc ctctcctgcc agagctagggc aggcgcgcgaa gtagccgcat 60  
97 ggccccgtca gaagacccca gggactggag agccaacctc aaaggcacca tccgtgagac 120  
98 aggccctggag accagctccg gtgggaagct ggctggccat cagaagaccg tccccacggc 180  
99 tcacctgact tttgttattg actgcaccca cgggaagcag ctctccctgg cagcaaccgc 240  
100 atcaccaccc caagcccccga gtcccaatcg agggcttgct accccaccaa tgaagacctc 300  
101 catcgtgttc tgtgggggaaa actggcccca tctkactcgg gtgaccccca tgggtggggg 360  
102 atgccttgcc caggccaggg ccacctgcc gctctgcaga gggctctgtg cctcagcttc 420  
103 cttcccagtc agcccgtctt gcccacagga ggttcccag gctaagggga aaccctgtaa 480  
104 ggctgcgcct gtgaggtctt caacttgggg aacagtcaag gactcactga aagccctctc 540  
105 ctcttggtgc tgtgggcagg ccgattagct ggaaggggcg ggctctgatg cccagaggct 600  
106 gcaattccca gggcctggcc ctgcttcccc agctaagcag gagtcttttg tgcttgagcc 660  
107 aaggaaacat cattagatcc gctaaggggc atctgaaaca tccgtcagag ggagaggca 720  
108 ggataagtca cctgcacatg aagagactca ttcattcata cagcaaatat tactggtaca 780  
109 tcttccacat gccaggccct gcaaagtgtt ggggagatac catgggtttt ctggagctgg 840  
110 tatttttggg gtggagggaa cccaccctga ataaataaag taaccaata aataaagaag 900  
111 atgattttga acagc 915  
112 <210> SEQ ID NO 8  
113 <211> LENGTH: 68  
114 <212> TYPE: DNA  
115 <213> ORGANISM: Artificial Sequence  
116 <220> FEATURE:  
117 <223> OTHER INFORMATION: Restriction site  
118 <400> SEQUENCE: 8  
119 agctcggaat tccgagcttg gatcctctag agcggccgcc gactagttag ctcgtcgacc 60  
120 cgggaatt 68  
121 <210> SEQ ID NO 9  
122 <211> LENGTH: 68  
123 <212> TYPE: DNA  
124 <213> ORGANISM: Artificial Sequence *See item 12 on Ena Summary sheet*  
125 <400> SEQUENCE: 9  
126 aattaattcc cgggtcgacg agctcactag tcggcggccg ctctagagga tccaagctcg 60  
127 gaattccg 68  
128 <210> SEQ ID NO 10  
129 <211> LENGTH: 24  
130 <212> TYPE: DNA  
131 <213> ORGANISM: Artificial Sequence  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: Universal primer  
134 <400> SEQUENCE: 10  
135 agcggataac aatttcacac agga 24  
136 <210> SEQ ID NO 11  
137 <211> LENGTH: 18  
138 <212> TYPE: DNA  
139 <213> ORGANISM: Artificial Sequence  
140 <400> SEQUENCE: 11  
141 tgtaaaacga cggccagt 18  
142 <210> SEQ ID NO 12  
143 <211> LENGTH: 20  
144 <212> TYPE: DNA



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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/193,538

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145 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 12
147      cccacccaat gaagacctac                                20
148 <210> SEQ ID NO 13
149 <211> LENGTH: 20
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 13
153      agaggagagg gctttcagtg                                20
154 <210> SEQ ID NO 14
155 <211> LENGTH: 20
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 14
159      cccacagaa cacgatgtag                                20
160 <210> SEQ ID NO 15
161 <211> LENGTH: 22
162 <212> TYPE: DNA
163 <213> ORGANISM: Homo sapiens
164 <400> SEQUENCE: 15
165      ttgtcaccac accaatgaag ac                            22
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167 <211> LENGTH: 22
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
170 <400> SEQUENCE: 16
171      tggatatctcc ccagcacttt gc                            22
172 <210> SEQ ID NO 17
173 <211> LENGTH: 188
174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 17
177      Glu Trp Pro Arg Thr Ala Pro Leu Leu Pro Glu Leu Gly Arg Arg Arg
178      1          5          10          15
179      Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala Asn
180      20          25          30
181      Leu Lys Gly Thr Ile Arg Glu Thr Gly Leu Glu Thr Ser Ser Gly Gly
182      35          40          45
183      Lys Leu Ala Gly His Gln Lys Thr Val Pro Thr Ala His Leu Thr Phe
184      50          55          60
185      Val Ile Asp Cys Thr His Gly Lys Gln Leu Ser Leu Ala Ala Thr Ala
186      65          70          75          80
187      Ser Pro Pro Gln Ala Pro Ser Pro Asn Arg Gly Leu Val Thr Pro Pro
188      85          90          95
189      Met Lys Thr Tyr Ile Val Phe Cys Gly Glu Asn Trp Pro His Leu Thr
190      100         105         110
191      Arg Val Thr Pro Met Gly Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr
192      115         120         125
193      Leu Pro Leu Cys Arg Gly Ser Val Ala Ser Ala Ser Phe Pro Val Ser
194      130         135         140

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/193,538

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Input Set: I193538.RAW

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195      Pro Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys
196      145                      150                      155                      160
197      Ala Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu
198                      165                      170                      175
199      Lys Ala Leu Ser Ser Cys Val Cys Gly Gln Ala Asp
200                      180                      185
201      <210> SEQ ID NO 18
202      <211> LENGTH: 21
203      <212> TYPE: PRT
204      <213> ORGANISM: Homo sapiens
205      <400> SEQUENCE: 18
206      Arg Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala
207      1                      5                      10                      15
208      Asn Leu Lys Gly Thr
209                      20
210      <210> SEQ ID NO 19
211      <211> LENGTH: 19
212      <212> TYPE: PRT
213      <213> ORGANISM: Homo sapiens
214      <400> SEQUENCE: 19
215      Met Gly Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr Leu Pro Leu Cys
216      1                      5                      10                      15
217      Arg Gly Ser
218      <210> SEQ ID NO 20
219      <211> LENGTH: 35
220      <212> TYPE: PRT
221      <213> ORGANISM: Homo sapiens
222      <400> SEQUENCE: 20
223      Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys Ala
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225      Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu Lys
226                      20                      25                      30
227      Ala Leu Ser
228                      35
229      <210> SEQ ID NO 21
230      <211> LENGTH: 19
231      <212> TYPE: PRT
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236      Gln Lys Thr
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238      <211> LENGTH: 8
239      <212> TYPE: PRT
240      <213> ORGANISM: Artificial Sequence
241      <220> FEATURE:
242      <223> OTHER INFORMATION: Affinity purification system recognition site
243      <400> SEQUENCE: 22
244      Asp Tyr Lys Asp Asp Asp Asp Lys

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VERIFICATION SUMMARY  
PATENT APPLICATION US/09/193,538

DATE: 11/25/1998  
TIME: 11:29:06

Input Set: I193538.RAW

Line ? Error/Warning

Original Text

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